

RUSSIAN

*Computer
Special*

CSO: 8044/2229
10 June 1974

The Development of Information Science in
the USSR, by V.I. Siforov *22 pp*

Razvitiye Nauki Ob Informatsii v SSSR,
March 26, 1974

Special type B
Do not publish
Single spaced draft plus one

Mashkin, Ia. A.

Development of Russian rocket engine technology

RAZVITIYE OTCHUZHDENNOGO RAKETNOGO DVIGATELSTROYENIYA,

Moscow, "Mashinostroyeniye" Press, 1973, pp. 256

*NASA TT P- 15,408

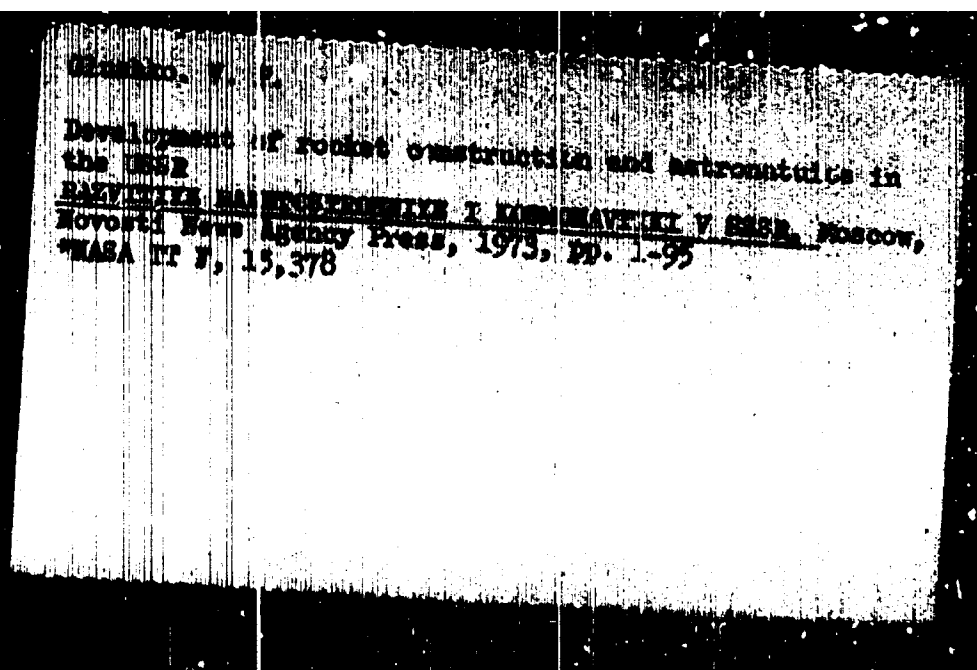
The Development of Applied Methods in Problems of
Static Calculation of Thin-Walled Three-Dimensional
Systems (Shells and Folds), by I. Ye. Mileykovskiy,
24 pp.

RAZVITIYE PRIKLADNYKH METODOV V ZADACHAKH STATICHESKOGO
RASCHETA TONKOSTENNYKH PROSTRANSTVENNYKH SISTEM,

(Sixth All-Union Conference on Shell and Plate Theory
1966.)

NAV/NISC-Tr-3405-73

April 73



DEVELOPMENT AND IMPROVEMENT OF GRANULATED EXP
LOSIVES IN THE USSR AND FOREIGN CO

POZONYAKOV, Z. LANGUAGE-RU COUNTRY-UR

RAZVITIYE I SOVERSHENSTVOVANIYE GRANULIROVANN
YKH VV V SSSR I ZA RUBEZHOM

"NEDRA", M., 1971,

FSTC-HT-23-0598-74

Development of Polymer Concrete Technology in USSR,
by N. A. Moshchanskiy, 6 pp.
HAZVITIYE TEKINOLOGY POLIMERBETONOV V SSSR
CIA-X-7777

June 73

H. Graber

Experimental investigations of the heat transfer to
liquid metals running in parallel flow through pipe
bundles

REACTORTAGUNG, BONN ATOMFORUM, PP. 154-157
(30 Mar 1971)

C. E. Trans. 6195

ANALYTICAL CHEMISTRY
and their derivatives. 12 pp
pp 6-40. STC-23-55-7/11

SECRET
1/15/71
The biological effects of natural and man-made
radioactive fallout.
CNO, 3344/2.02, COMPLETED SPECIAL 19 PP40

Boat, E.

Problems involved in developing an integrated flight
control system with emphasis on curved flight path
profiles

REALISTIC PROBLEMS I KINES INTERPRETATION FLIGHT
LINE SYSTEMS UNDER RECONSTRUCTION
GENERAL 1973, pp. 32
NASA TT F 15611

RE IN CHECK

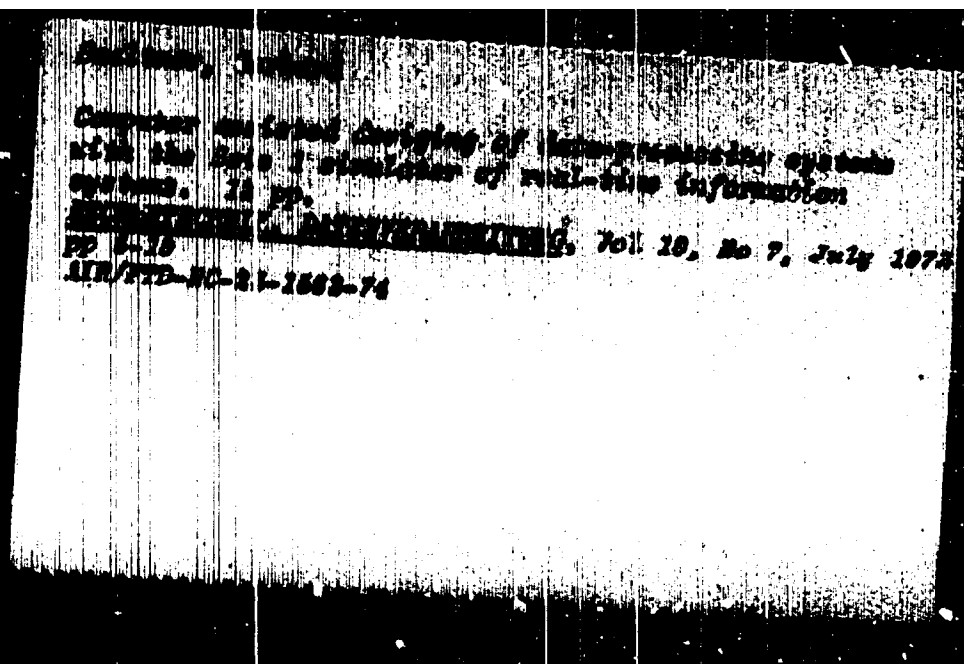
22-01-74

TF57

INFORMATION FROM THE LETPZIG SPRING
EXHIBITION 1973

UNKNOWN

GES. RECHENTECHNIK, DATEN VERARBEITUNG,
VOL. 10, NO. 5, 1973, p. 517*On Process in*
FTD HC 22-156-14



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 11-17-73 BY 1043-101
DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES
ONLY: COPYRIGHT INFORMATION: OTHER REQUEST
FOR THIS DOCUMENT MUST BE REFERRED TO FTD.

Representatives Give Party Positions on
Scientific Research, 16 pp.
GOVERNMENT USE ONLY
FRENCH, per, La Recherche, Paris, Feb 73,
pp 105-113.
JPRS/L 4472

Apr 73

Operating a Fast Neutron Breeder Reactor,
by Guy Denielou, 23 pp.
GOVERNMENT USE ONLY
FRENCH, per. La Recherche, Paris, Feb 73,
pp 143-153.
JPRS/L 4471

Apr 73

MOLECULAR LASERS

BRUNET, HENRI

LANGUAGE-FR

COUNTRY-FR

and see also

LA RECHERCHE, NO 32, MARCH 73, VOL. 4, PP. 243-252
T7

FSTC-HT-23-0070-74

MSES Weapon System Described, 9 pp.

GOVERNMENT USE ONLY

FRENCH, per, La Recherche, Paris, May 73,

pp 424-427.

JPRS/L 4563

Jun 73

Nuclear Submarine Development, Characteristics
Described, by Jean Le Bourhis, 13 pp.
GOVERNMENT USE ONLY
FRENCH, par, La Recherche, Paris, May 73,
pp 428-435.
JPRS/L 4563

Jun 73

RISQ TR CHECK

21-5-74

TR34

ACCELERATION OF ALUMINA PARTICLES IN THE
FLOW OF A METALLIZED PROPELLANT ROCKET
NOZZLE

KUENTMANN, P

FR: LA RECHERCHE AEROSPATIALE, 1967,
DE 1967, JUL-AUG. 57-5847

Don R. ...

ATD 40 23-2716 24

G. KRETZSCHMAR

Calculation by an Integral Method of an Laminar
Boundary layers Under the Effect of an Entropy
Gradient.

RECHERCHE AEROSPATIALE, No 133, pp 15-22, 1969.
NTC 73-10190-20D

Mar 73

R. K. ZEYTOUNIAN

Some Aspects of the Flow of an Unsteady Compressible
Laminar Boundary Layer Around a Flat Plate.

RECHERCHE AEROSPATIALE, No 1, pp 16-21, 1970.

NTC 73-10290-200

Mar 73

H. VIVIANO

Closed Streamline, Low Mach Number Flow of a
Compressible Fluid.
RECHERCHE AEROSPATIALE, No 1, pp 49-51, 1970.
NTC 73-10192-200

Mar 73

V. CAMARERA

Lunar Springboard Effect.
RECHERCHE AEROSPATIALE, No 2, pp 64-68, 1970.
NTC 73-10177-22C

Mar 73

Werle, H.

Ground Effect Visualization at Low Speed Around Aircraft Models.

LA RECHERCHE AEROSPATIALE, No. 2, March-April 1970,

pp 79-93 (Also ONERA Report T. P. No. 834 (1970))

†NASA TT F 14,958

Deschamp, J.

Improvements in the microprobe analysis of diffusion
layers. Application to an Inconel 713 chromalumin-
sed sample

RECHERCHE AEROSPATIALE, n. 2, 1970, pp. 103-112

NYC 73-12851-77F

NTIS N7L-19027

H. WESLE

Ground Effect Visualization at Low Speeds Around
Aircraft Models.

RECHERCHE AEROSPATIALE, No 3, pp 79-93, 1970.
NTC 73-10193-20D

Mar 73

J. 38

Quasi-Two-Dimensional Flow Through a Supersonic Cascade.

RECHERCHE AEROSPATIALE, No 3, pp 137-143, 1970.
NTC 73-10291-20D

Mar 73

Widel, G.

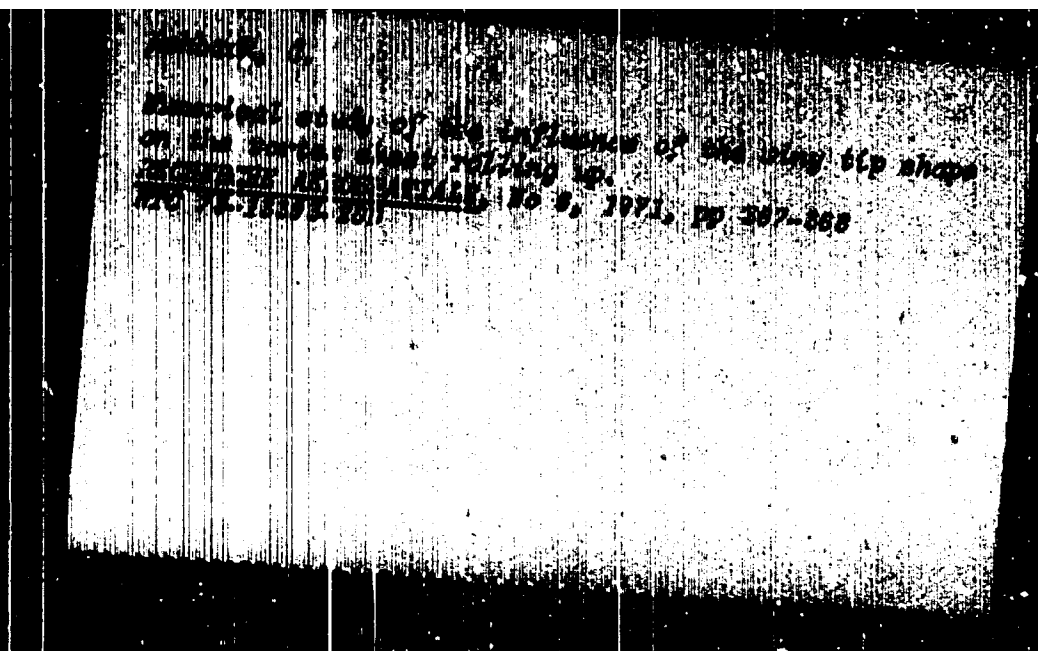
Effect of chromalaminisation on the fatigue strength
at 700 C of an Inconel 718 alloy

RECHERCHE AEROSPATIALE, n. 3, 1976, pp. 177-179

NTC 73-13987-17

NTIS N72-19014

Simulation of the increased Reynolds number produced by roughness on an aircraft model in transonic range
RECHERCHE AEROSPATIALE, N. 6, 1971, pp 335-336 and
REVUE OFFICIELLE DE L'ETUDE ET DE RECHERCHE
(AERONAUTIQUE) AEROSPATIALE, PUBLICATION (TECHNIQUE),
OCT 1971, 1971
NTC 73-11800-01A
NTIS N72-26000

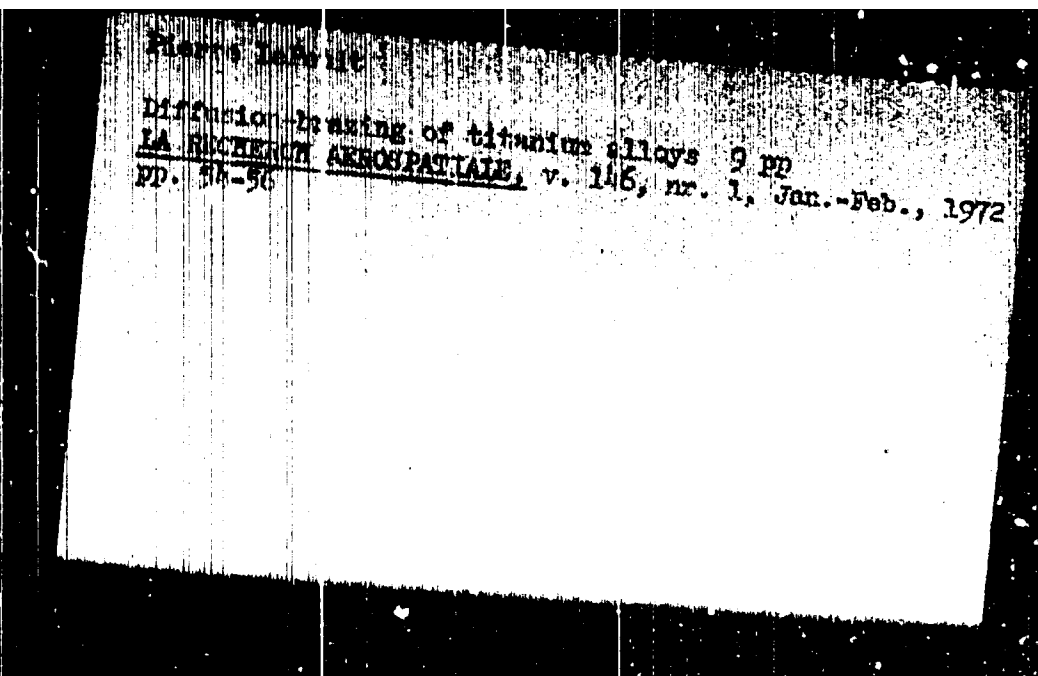


BRILL, C.
/PACIFIC AIRCRAFT/

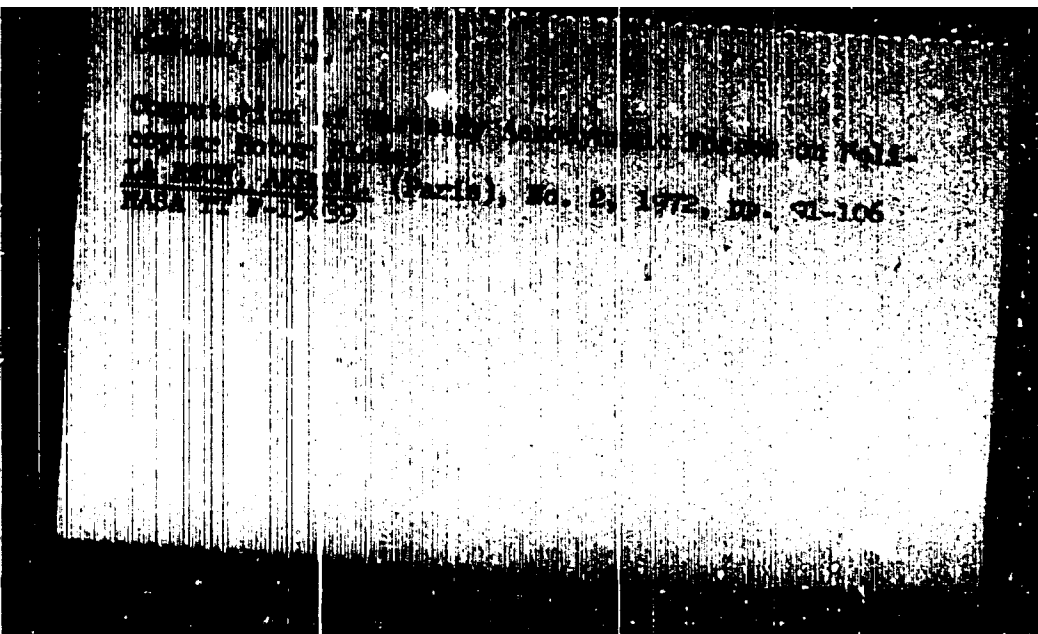
1/1972, V. 1, 10001

Notes Measurements in the Rodas Large Wind-Tunnel,

pp 47-51, NT: 74-10122-1-389







Phillibert, Michel

Optical Methods for Measuring the Velocity of Particles
within a Fluid Flow 31 pp

LA RECHERCHE AEROSPATIALE, nr. 3, June 1972, pp.
171-184

AIR/PTD-HO-23-44-74

Legendre, Robert

The Kutta-Joukowski conditions in three-dimensional
flow. 24 pp.

LA RECH. AEROSPATIALE. no. 5, 1972, pp. 241-247

NASA TT F 14918

UNCLASSIFIED

//RESEARCH, INFORMATION, LA//

---/1978, 1980, 1981,

UNCLASSIFIED

PP 1-63 Russian pages

PP 1-63 English pages

January-February 1978, REAO TT-17,

FULL TRANSLATION. EUROPEAN SPACE RESEARCH ORGANIZATION

AVAILABLE FROM NATIONAL TECHNICAL INFORMATION SERVICE

AGENCY COPIES AVAILABLE IN LIBRARY SERIALS#

KUENTZMANN, P.

//RECHERCHE AEROSPATIALE//

--/--/1973, V-----, N0002

Experimental study of the condensed phase in t
the combustion products of metallized solid
propellants 28 pp

pp 71-80 AIR/FTD/Hc-23-27B4-74##

DETERMINATION OF THE NATURAL MODES OF A STRUC
TURE BY VIBRATION TEST WITH NON-APP

DAT R

LANGUAGE-FR COUNTRY-FR

LA RECHERCHE AEROSPATIALE #2 1973, PP 99-108

FSTC-HT-23-0767-74

RIN TR CHECK

17-01-74

TF15

MATRIX ANALYSIS OF MULTILAYERED AND SANDWICH
SHELLS BY THE FINITE ELEMENT METHOD
ENGRAND, DANIEL; BORDAS, JOSEPH
FR: O.N.E.R.A.; LA RECHERCHE AEROSPATIALE,
NO. 1, MAR-APR 1973, pp. 109-118

*On Process in**FTD-HC-23-1510-74*

REQ TR CHECK

4-02-74

THOT

DUAL MODE RAMJET THEORETICAL AND EXPERIMENTAL
PERFORMANCE FOR MACH 3.5/7 DOMAIN OF
FLIGHT VELOCITIES

CONTENSON, P.; MARGUET, R

FR: LA RECHERCHE AEROSPATIALE. BULLETIN

SEM BIMESTRIEL DE L'OFFICE NATIONAL

D'ETUDES ET DE RECHERCHES AEROSPATIALES,

NO. 5, SEP-OCT 1973, pp. 259-274

In Process
FTD-HC-23-1499-74

REQ TR CHECK

19-02-74

T107

TIME-DEPENDENT METHODS FOR COMPUTING WALL
EFFECTS IN TWO-DIMENSIONAL, SUPERCRITICAL
FLOW

LAVAL, PIERRE

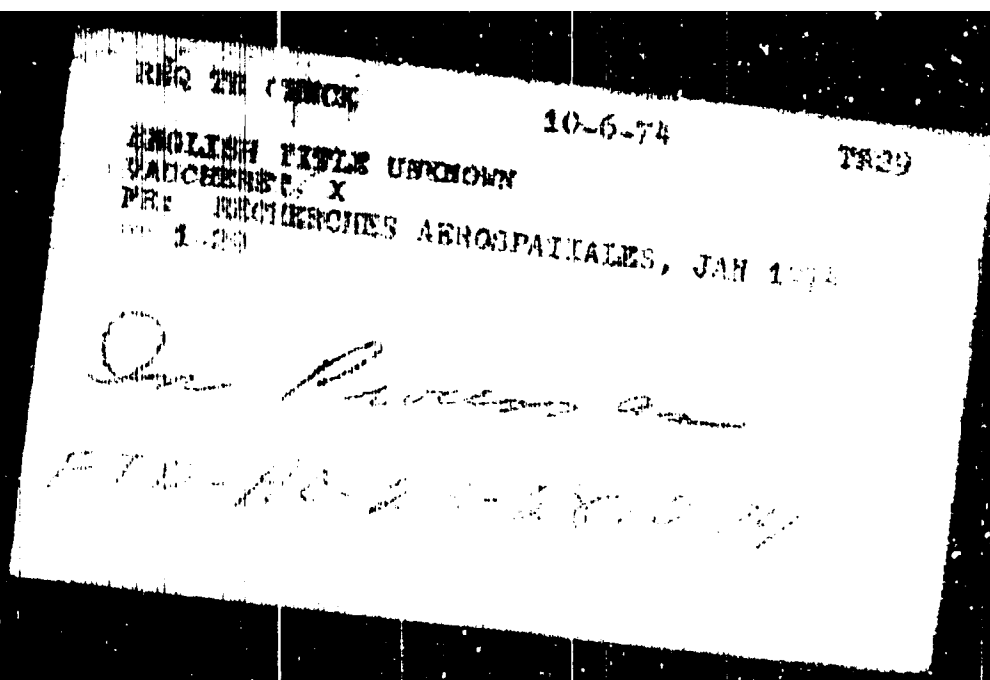
FR: LA RECHERCHE AEROSPATIALE, NO. 8 5

SEP-OCT 1973, pp. 275-288

*On Process on**FTD HC-23-1798-74*

1. RESEARCH & ASSOCIATION DATE, Nov. - Dec. 1971, pp. 1-150
 2. DATA TT F 15,590

TRAN. D. 1.
//KNOT, AS300P//
11/1571, V1111, N0000
On the use of branch modes for the calculation
of helicopter structural dynamic characteristics
46 pp
pp 357-354 NASA TT F 15718 NOV-DEC 19734#



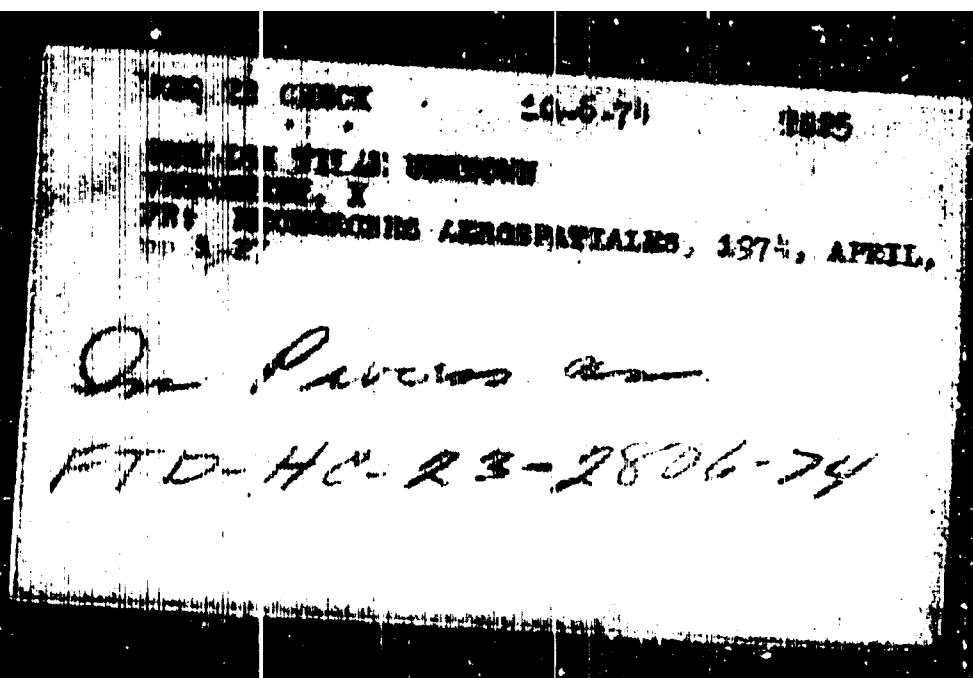
SOURCES OF PUERTI SOLAR GENERATORS

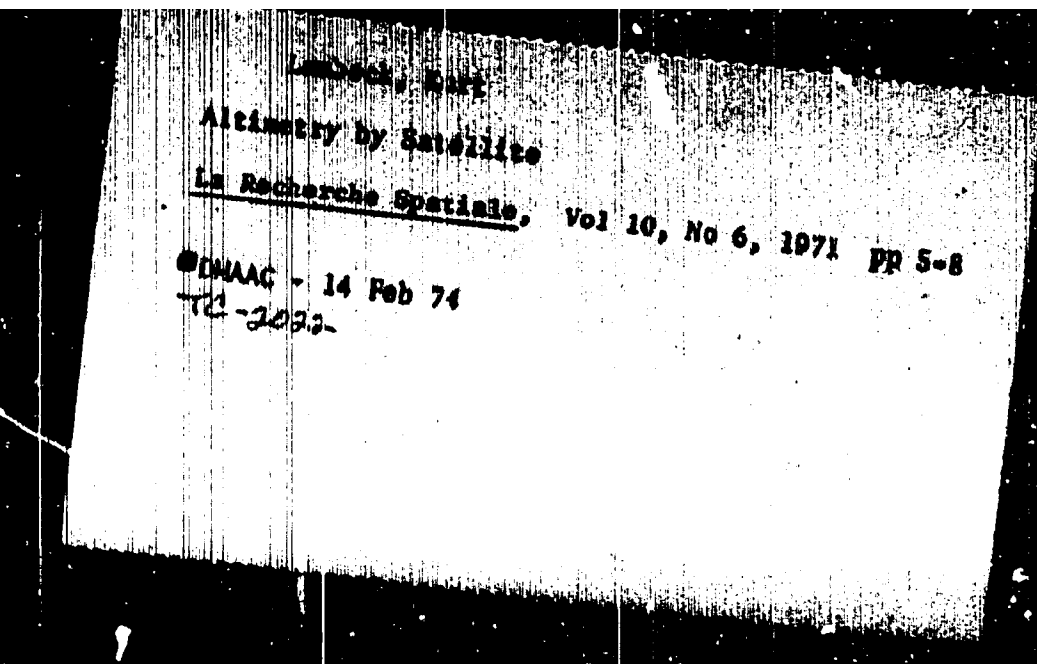
PALZ W

LANGUAGE-FR COUNTRY-FR

LA RECHERCHE SPATIALE VOL XIII #2 MAR-APR 197
4 PP13-16

FSTC-HT-23-0267-75





7-10-68
//
1968
discussing of French laser observations from the
French program
pp 14-15 WMAU-TC-80r

Collins, C. A.

Space Law and Applications Satellite

LA RESEARCH SEMINAR, vol. 12, Mar-Apr. 1973, pp. 1-5, 4-1

WASH TT P 11, 160

Kiss, Alexandre

The utilisation of extra-atmospheric space. 13 pp
RECH. SPATIALE, Vol 12, No 2, Mar-Apr 1973, pp 5-9
NASA TT F 15118

Telecommunications Satellite (LST) (LST) 10
14. RESEARCH SPANISH, vol. 12, No. 2, 1 Apr. 1973,
pp 16-19
AIR/FTD-80-33-329-73

Distribution limited to U. S. Gov't agencies only;
Copyright Information; Other request for this document
must be referred to FTD. The contents of this document
are suspected to be subject to copyright protection.

REQ TR CHECK

25-09-73

T597

APPLICATIONS SATELLITES: LEGAL ASPECTS
TCHEERNOG, A.

Ø FR: LA RECHERCHE SPATIALE, VOL 12, NO. 3,
MAY-JUNE 1973, PP. 1-5

Proven in an
HC 74 - 23 - 0597

Tchernong, A.

Applications satellites: legal aspects. (part 2) the
remote sensing of earth resources by satellites.

LA RECHERCHE SPATIALE. Vol 12, No 3, 1973, pp 1-5

ANASA TT F-15,055

Caillemar, A.

Methods and processing of airborne experiments aerial
activities services (SAA) of the National Geographic
Institute. 1 pp.

LA RECHERCHE SPATIALE, Vol 12, No 4, July-Aug, 1973,
pp 5-7
AIR/FTD-HC-23-599-74

DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES ONLY.
COPYRIGHT INFORMATION. OTHER REQUEST MUST BE REFERRED
TO FTD.

REPORT, A.

Equipment for communicating in North America, 15-7
LA. JOURNAL, SPANISH, Vol 18, No. 1, January 1973
pp. 9-15

AIR. FID-BC-13-000-74

DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES ONLY
COPYRIGHT INFORMATION. OTHER REQUEST MUST BE REFERRED
TO FID. THE CONTENTS OF THIS DOCUMENT ARE SUSPECTED TO
BE SUBJECT TO COPYRIGHT PROTECTION.

LA MEMORANDUM FOR THE DIRECTOR

SUBJECT: [REDACTED]

DATE: 10-18-67

AIR/SEC-SC-SS-602-74

Distribution limited to U. S. Gov't agencies only;
Copyright Information: Other request for this document
must be referred to FRD. The contents of this document
are suspected to be subject of copyright protection.

AIR/PA-NO-2-1-10E-74

DISTRIBUTION LIMITED TO U.S. CIVIL AGENCIES ONLY
COPYRIGHT INFORMATION. OTHER REQUEST MUST BE MADE TO
FTD. THE CONTENTS OF THIS DOCUMENT ARE SUSPECTED TO
BE SUBJECT TO COPYRIGHT PROTECTION.

RUSSIAN:

"Rechnoy Transport", Nov 1970, pps. 5-7, 8-9, 15,
27-28; 41-43, 44-46, 48, 50-53.

DIA LN 152-72 (49 pps.)

UNKNOWN

//RECHNO? TRANSPORT//

--/10/1974, N0010, pp 0001-0003

Survey of Technical Progress in River Transportation.

8 pp

JPRS 63631

†

RUSSIAN:

Rechnoi Transport ("River Transport")

No 1, 1971 (pp 35-36, 38-40)--DIA LN 284-74

No 2, 1972 (pp 49-50) ---DIA LN 283-74

(Feb 74)

RUSSIAN

RECHNOY TRANSPORT, dated Nov. 72

Published in the USSR

pps: 3-8, 11, 13-14, 25-26, 42-43, 48.

DIA LN 647-73

(Jul 73)

RUSSIAN

Publication: RECHNOY TRANSPORT, dated Dec 72

Published in the USSR

pps: 3,4-5, 6-7, 8-11, 18-19, 23, 24-25, 35, 45-46,
47-48, and 50-51.

DIA LN 649-73

(Aug 73)

RUSSIAN:

Rechnol Transport. 1972--Jul: pp1-7,9-13,24-25,27-29,
33-35,40-43,44-46,50
Aug 1972: pp 1-2,4-5,8-9,12-14,19-2
30,32,41,44-45,50-51
Apr 72: 1-2,5-9,11-12,40-43,51-53,
May 72: 11-12,14-15,42-43,55
Jan 72: 7-9,11-13,16-17,29,37-38,
39,41-42.

DIA LN 452-73

(Aug 73)

RUSSIAN

TECHNOY TRANSPORT, issue dated January 1973

Articles on pps: 1-4, 10, 23-25 & 35

Published in the USSR

DIA LN 635-73

(Jul 73)

RUSSIAN

Publication: RECHINOY TRANSPORT, dated Feb 73

Published in the USSR

pps: 1-4, 7-8, 12-13, 24-25, 36-41, 43 and 51-53.

DIA LN 6-18-73

(Aug 73)

RUSSIAN:

Rechnov Transport ("River Transport"). 3/73: pp 2-4,
9-11, 24-26, 28-30, 37-38, 45-47, 53-54,
55.

DIA LN 521-73

(July 73)

Over Fleet Leaders Assume Higher Obligations,
0 pp.
RUSSELL, D., Rechnoy Transport, Moscow, No 4,
Apr 1973, pp 1-4.
JPRS 59230

June 73

RUSSIAN

Publication: RECHNOY TRANSPORT, ed Apr 73

Published in the USSR

pps: 1-7, 11-13, 3032, 40, 46-48, 50, 52-53.

LN 65' 73 (01A)

(Aug 73)

Mikbaylov, V.

Specialized Association Formed to Increase Container Shipments.

7 pp

TECHNOY TRANSPORT, Moscow, No 5, 1973, pp 3-5

JPRS 59357

Spiridonov, V. S.

A New Tanker for the Lena Basin.

8 pp

TECHNOY TRANSPORT, Moscow, No 5, May 1973,

pp 50-53

JPRS 59430

Sadovskiy, G.

Waterway, Navigation Improvements Considered.

7 pp

RECHNOY TRANSPORT, Moscow, No 7, July 1973,

pp 1-3.

JPRS 59960

Ryzhov, L.

Automatic Control System for the Fleet and Ports
Discussed.

8 pp

RECHNOY TRANSPORT, Moscow, No 8, Aug 1973, pp 3-5.

JPRS 60297

Fereberzev, V.

Builder's Trials of the Motorship METEOR Without Full Load.

TECHNOY TRANSPORT, No.9, 1973.

NISC 3511

RUSSIAN:

Rechnoi Transport ("River Transport"). Jul '73. pp 5-7,
17,36,37.

DIA LN 228-74 (approx 8 pp)

Dec 73

Zhivotkevich, N.

Irtysh River Steamship Line Fulfills Commitments.

10 pp

RECHNOY TRANSPORT, Moscow, No 12, Dec 1973, pp 3-6.

JPRS 61169

Increase in Freight Hauling Planned.

7 pp

RECHNOY TRANSPORT. Moscow, No 1, Jan 1974, pp 2-4.

JPRS 61443

Rodina, A.

New River Transportation Tariffs Announced.

5 pp

RECHNOY TRANSPORT, Moscow, No 1, Jan 1974, pp

25-26.

JPRS 61443

RSFSR River Fleet Operations for 1973 Criticized
Severely.

7 pp

RECHNOY TRANSPORT, Moscow, No 3, Mar 1974, pp 1-3.

JPRS 61983

Increased Socialist Competition Demanded.
11 pp

RECHNOY TRANSPORT, Moscow, No 4, Apr 1974, pp 1-5.
JPRS 62046

Vvedenskiy, A.

Need to Improve Fleet Employment Noted.

8 pp

RECHNOY TRANSPORT, Moscow, No 4, Apr 1974, pp 4-6.

JPRS 62046

Vasil'yev, G.

Dry Cargo Motorship 'Ladoga' Described.

6 pp

RECHNOY TRANSPORT, Moscow, No 4, Apr 1974, pp 52-

54.

JPRS 62046

Borovskiy, A.

Prevention of Oil Spillage Into River Waterways,
6 pp.

TECHNOY TRANSPORT, Moscow, No 6, Jun 74, pp 49-
51.

JPRS 62812

Nov 74

Savin, V.

'Rochflot' Automatic Control System.

5 pp

RECHVOY TRANSPORT, Moscow, No 7, Jul 74, pp 26-27.

JPRS 62813

Pershin, V.

Operational Results of the Motor Ship 'Opytnyy-3'.
4 pp

RECHNOY TRANSPORT. Moscow, No 7, Jul 74, pp 48-49.
JPRS 62813

Yegorov, II.

Reinforced Concrete in Shipbuilding.

3 pp

TEKHNOY TRANSPORT, Moscow, No 7, Jul 74, p 50.

JPRS 62813

GRUZDEV, V.
//RECHNOY TRANSPORT//
--/11/1974, V---, NO011, pp 0052-0055
Volga River Tourist Vessel 'Marin Gor'kiy'
Described 7 pp
JPRS 63845

Agency: U. S. Atomic Energy Commission

9348/0329

P.O. No. WA-73-2710

2 May 1973

Title: Recomendaciones Presentadas A LA JENA POR EL
GRUPO DE TRABAJO ENERGETICO EN LA CIUDAD DE LIMA
DEL 17 AL 22 DICIEMBRE 1972

Author:

10pp

Source:

Language: Spanish

Instructions Please have the attached document trans-
lated as soon as possible. Type single
speco.

H. Drieux

English Title Unknown

Rec. Med. Vet. Vol. 131, pp 187-915, 1955. 33p.

*NTIS-TT-73-55085

Apr 73

Uncl (LA-tr--73-57) Study of in vitro multiplication 8-Aug-74
of a hog cholera virus clone. AYNAUD, J.M. Translated
from Rech. Vet.; No. 1, 25-36(1968). 17p. Dep. NIAC
\$4.00.

OB biomed; translations
NN-98 P NSA

Popoff, M.

1969

A study of Aeromonas salmonicida I. Biochemical and antigenic characteristics (Etude sur les Aeromonas salmonicida I. Caractères biochimiques et antigeniques) Recherches Veterinaires, (3): 49-57. In French.

Transl. by Robert N. Howland for HSEW, 1973, 10p., typescript.

Avail. on loan - NMFS, Wash., D.C.

Original Article Checked *NR*

Isotj, C.

Acute and chronic lead poisoning in cattle.

RECUEIL DE MELANGES VETERINAIRES DE L'ECOLE D'ALPHE,
PARIS, VOL 103, 1988, PP 96-108

NTC 78-24018-02X

MUSIANT, C.
Fascioliasis in Equine. Observations in
Normandy. Trial Treatment with Antelmintics
RECHERCHES DE MEDICINE VETERINAIRE DE L'
ECOLE D'ALFORT, vol. 148, pp. 443-450, 1972
NTC 73-10038-02B

March 73

Ferrando, R.

The Resorption of Estrogen Implants in Calves
SEQUEL DE MEDICINE VETERINAIRE DE L'ECOLE D'ALFORT
V. 148, 1972, p. 451-454
NTC 73-11737-02E

Amault, L.

Resistance of *Escherichia Coli* of the intestinal flora
of poultry receiving or not receiving nutritive doses
of antibiotics in their feed, to antibacterial agents.
FIRST PAPER: poultry raised by farmers and industrially.
RECUEIL DE MEDICINE VETERINAIRE DE L'ECOLE D'ALFORT.
PARIS, Vol 7:8, 1978, pp 1035-1043
NTC 73-13603-02E

Renault, L.

Resistance of antibacterial agents of the tetracycline
class of the intestinal flora of poultry receiving or
not receiving a nutritive dosage of antibiotics in their
diet. SECOND PAPER: Laboratory maintenance.

RECUEIL DE MEDICINE VETERINAIRE DE L'ECOLE D'ALFORT.

PARIS, Vol 148, 1972, pp 1251-1258

NTC 78-13604-72E

REDAVIE, L.
//RECHERCHES ANTI-BACTERIENNES ET ANTIVIRALES EN L'AVICULTURE D'ALPES
--/1973, VOL 49, N--
Resistance to Antibacterial Agents of Escherichia
Coli of the Intestinal Flora of Poultry which do or
do not Receive Nutritive Doses of Antibiotics in
their Feed. Communication No. III. Commercial
Feeding and Orthoxenic Nutrition. Summary of
Overall Results and General Conclusions,
pp 637-651, NTC 74-11261-02100